



DPAS RFID Workshop

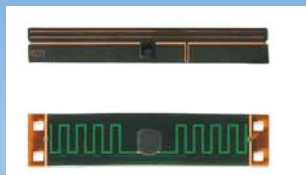
- **Welcome / Administrative Remarks 10:00**
- **RFID Technology Overview 10:15**
- **Overview of DPAS AIT Capabilities 10:45**
- **Break 11:10**
- **DPAS Demonstration 11:20**
- **Potential Initiatives/ Portal Demo 12:15**
- **Open Discussion 12:45**
- **Conclusion 13:00**



DPAS

AIT Capabilities

Bar Code / RFID Batch / RFDC



***DPAS Software Project
Manager
July 30, 2004***

- Automatic Identification Technology

Topics

- **Supported PDCDs**
- **Bar Code Labels**
- **RFID Passive Tag**
- **The Automated Inventory Process**
- **Questions / Comments**

Supported Portable Data Collection Devices (PDCDs)



Intermec's 700 Series

Pocket PC Windows

AIT III/GSA Contract



Intermec's 241X Series

DOS-Like - Character

GSA Contract



Symbol's PDT81XX

Pocket PC Windows

GSA Suppliers/ AIT II Contract



Symbol's 72XX Series

DOS - Character

AIT II Contract - Discontinued July 2004



Symbol's PPT88XX

Pocket PC Windows

GSA Suppliers



Intermec's 20XX Series

DOS - Character

Discontinued

For Additional Information, Visit <https://www.dpas.dod.mil>

Inventorying Using Bar Codes

- **Labels Are Code 39 Format***
- **Bar Cd Nbrs Are Up to 10 Characters in Length**
- **Auto-assign Capabilities During Receipt and Change Processing**
- **Asset Info Exported to the PDCD for Verification / Validation During Inventory**
- **Supports Batch & RF (Wireless) Update Modes**
- **PDCDs - Intermec (Janus, Antares, 700), Symbol (PDT72XX, PDT81XX, PPT88xx)**



*** Primary Read - Also Supports Other Industry Standard**

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Bar Code Label

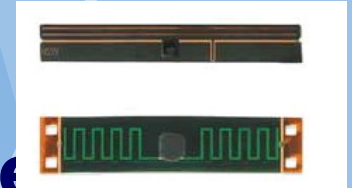


- **Generates/Prints Asset, Location and Sub-Location Labels (4 different sizes)**
- **User Defined Label Content***
- **Auto-Print Capabilities During Receipt and Change Processing**
- **Ad Hoc Label Printing By Each / Range**
- **Printers - Intermec (IPL II/III Compatible) and Zebra (ZPL (I/II Compatible)**



*** From a List of Defined Values**

Inventorying Using Radio Frequency Identification

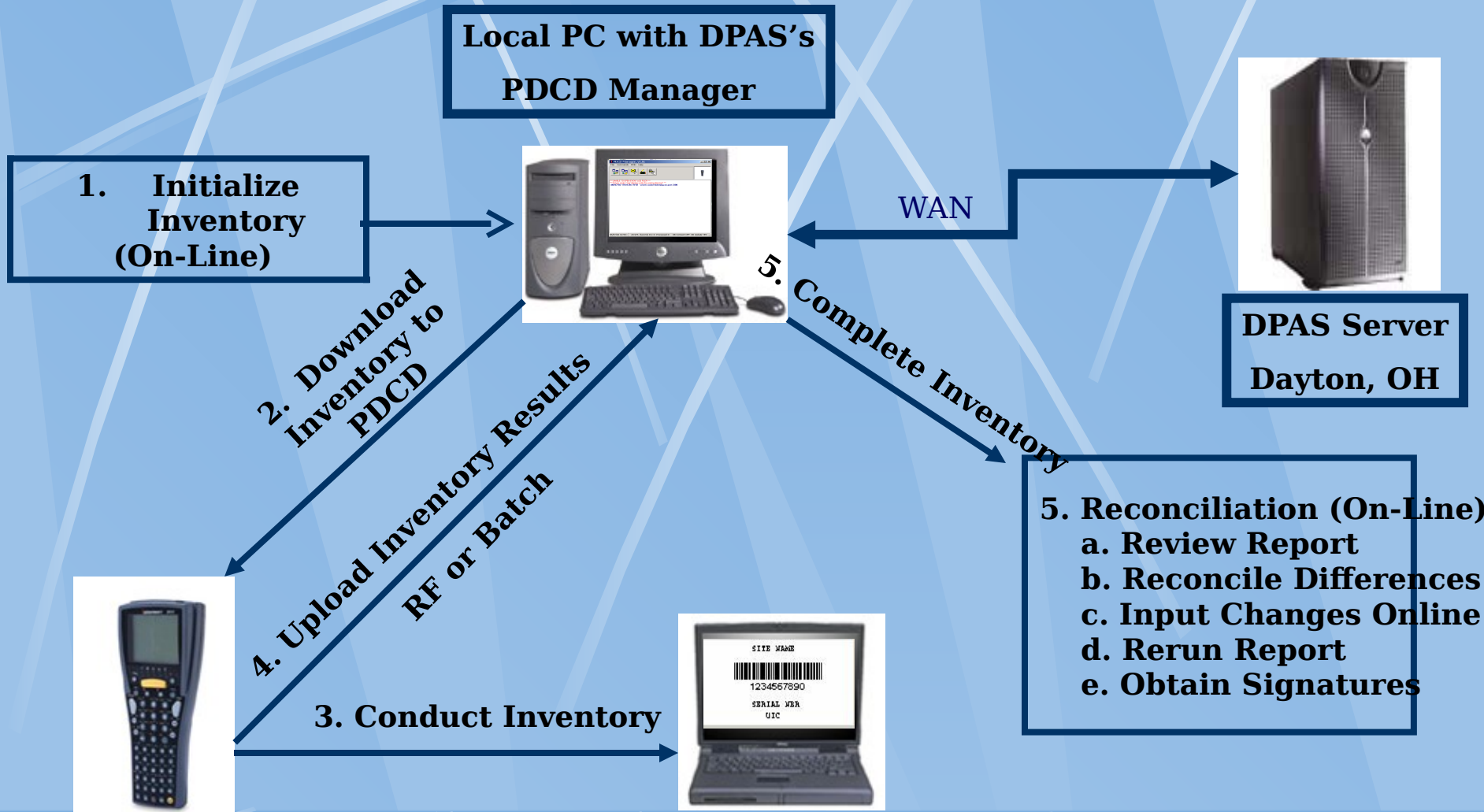


- **Tag - Intermec 915 MHz Passive tag**
- **Hardware - Intermec Sabre 1555 Reader Coupled to PDCD**
- **Read Range - Up to 15 Feet**
- **Database Update - Batch or Wireless from the Handheld**
- **Tag Info - Minimum Necessary For Conducting Inventories (Bar Code Security Code*)**



*** Potential Future Use**

Automated Inventory Steps



Step 1 - Generate Inventory

Generate Inventories

Inv Type

- ☒ HRH
- ☐ Authorization
- ☐ Sensitive
- ☐ Cryptographic
- ☐ Location
- ☐ Cyclic

Actions

- ☒ Initialize Inventory and Generate Report
- ☐ Initialize Inventory
- ☐ Generate Report

UIC Options

- ☐ Actbl
- ☒ Specific: UIC

Generate

- ☒ On-line
- ☐ Batch

☐ Include Report Message

Msg Id:

DPAS supports six types of inventories

In addition - 2 Sensitive inventory types and the HRH supports GFP

Generate Hand Receipt Inventory

Key Data

UIC: N00018

Actions: Init Inv and Gnr Rpt

Generate: On-line

Sort Sequence

- ☒ Bar Code
- ☐ Location
- ☐ Stock Nbr
- ☐ Nomenclature
- ☐ LIN

Report Annexes

- ☐ Sub-Hand Receipt (s)
- ☐ SKO/BII/AAI Hand Receipt
- ☐ SKO/BII/AAI Excess/Shortage

Options

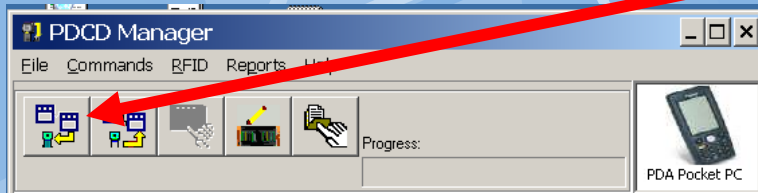
- ☐ HRH Range
- ☐ Include Sub-Hand Receipt (s)
- ☐ Expanded Report

HRH Nbr:

Sched Cmpltn Dt:

Next Inv Due Dt:

Step 2 - Export Inventory To PDCD



<04/03/04 19:08:41> Export Not Created.

Key Data

Select From

- ☒ Initialized Inventories
- ☐ Previously Downloaded Inventories

Download

- ☒ Asset and Inv List Nbr Info
- ☐ Inv List Nbr Info Only

Reconciliation Report

Sort Sequence

- ☒ Bar Cd
- ☐ Stock Nbr

Optional Parts

- ☐ Part VI - Relocated Assets
- ☐ Part VII - Reconciled Assets

OK Exit

Selection window for Inventory(ies) to be exported to PDCD

Inventory Download

Key Data

View: Previously Downloaded Sort Sequence: Bar Cd

Download: Inventory and Asset Data Include Part(s):

Available Inventories

Inventory Number	UIC	Hand Rcpt	Inventory T...	Location
02220W0L6AA0001	W0L6AA	0200A	HR	
02220W0L6AA0002	W0L6AA	03000	HR	
02276W0L6AA0002	W0L6AA	01200	HR	
02308W0L6AA0001	W0L6AA	01200	SA	
02319W0L6AA0001	W0L6AA		LO	TIRE SHOP
02323W0L6AA0002	W0L6AA	5B300	HR	
02323W0L6AA0003	W0L6AA	5B300	AU	

Selected Inventories

Inventory Number	UIC	Hand Rcpt	Inventory T...	Location
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Save Cancel Exit

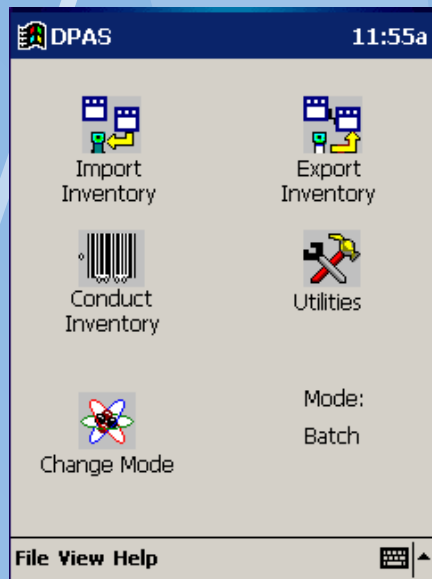
Step 3 - Conduct Inventory

Bar Cd, RFID, or Serial Batch or RF



Step 3 - Conduct Inventory

PDCD Main Menu



DPAS 11:55a

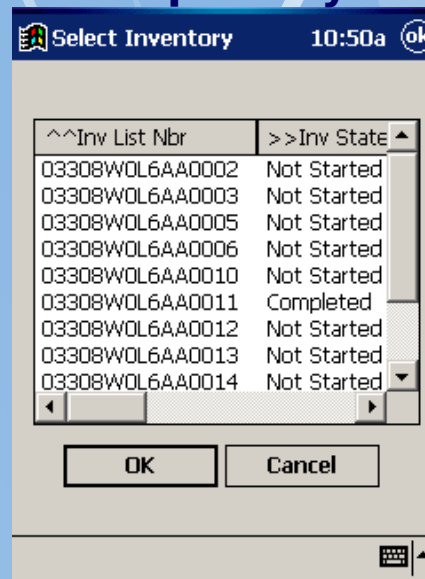
Import Inventory Export Inventory

Conduct Inventory Utilities

Change Mode Mode:
Batch

File View Help

Multiple Inventory Download Capability



Select Inventory 10:50a OK

^^Inv List Nbr	>>Inv State
03308WOL6AA0002	Not Started
03308WOL6AA0003	Not Started
03308WOL6AA0005	Not Started
03308WOL6AA0006	Not Started
03308WOL6AA0010	Not Started
03308WOL6AA0011	Completed
03308WOL6AA0012	Not Started
03308WOL6AA0013	Not Started
03308WOL6AA0014	Not Started

OK Cancel

List Box Sort Capability View Scanned/Remaining During Inventory



Conduct Inventory 10:43a

Bar Cd: Enter

☐ Assets Scanned ☒ Assets Remaining **Inv Info**

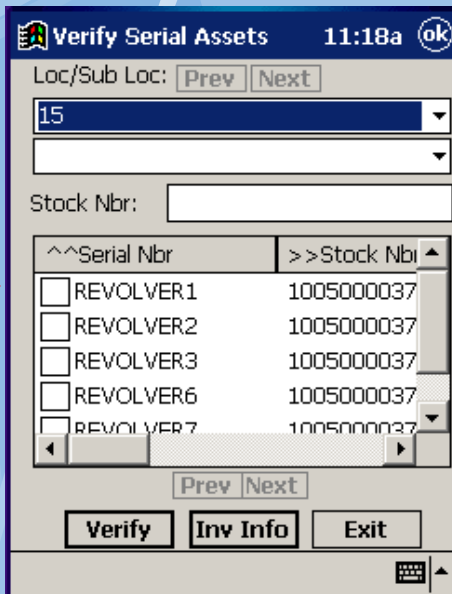
^^Bar cd	>>Nomen
06831	A10

Prev Next

File View Help

Step 3 - Conduct Inventory

Check Box Confirmation for Serialized Assets



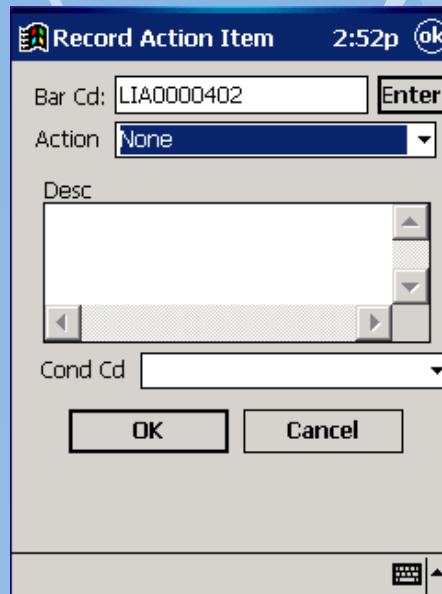
Verify Serial Assets 11:18a ok

Loc/Sub Loc:

Stock Nbr:

^^Serial Nbr	>>Stock Nbr
<input type="checkbox"/> REVOLVER1	1005000037
<input type="checkbox"/> REVOLVER2	1005000037
<input type="checkbox"/> REVOLVER3	1005000037
<input type="checkbox"/> REVOLVER6	1005000037
<input type="checkbox"/> REVOLVER7	1005000037

Record Action Update Condition Cd



Record Action Item 2:52p ok

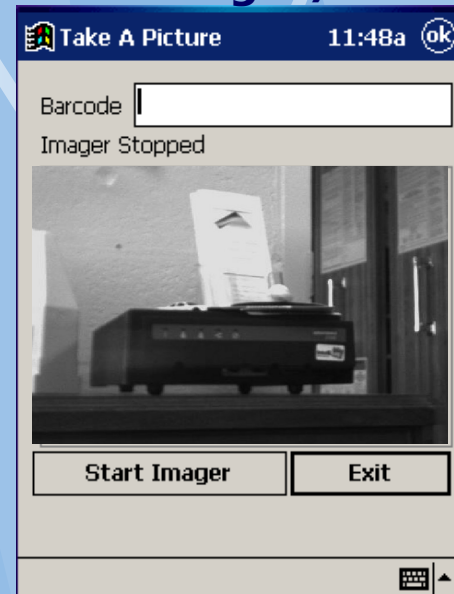
Bar Cd:

Action:

Desc:

Cond Cd:

Take A Picture (PDAs with Imager)

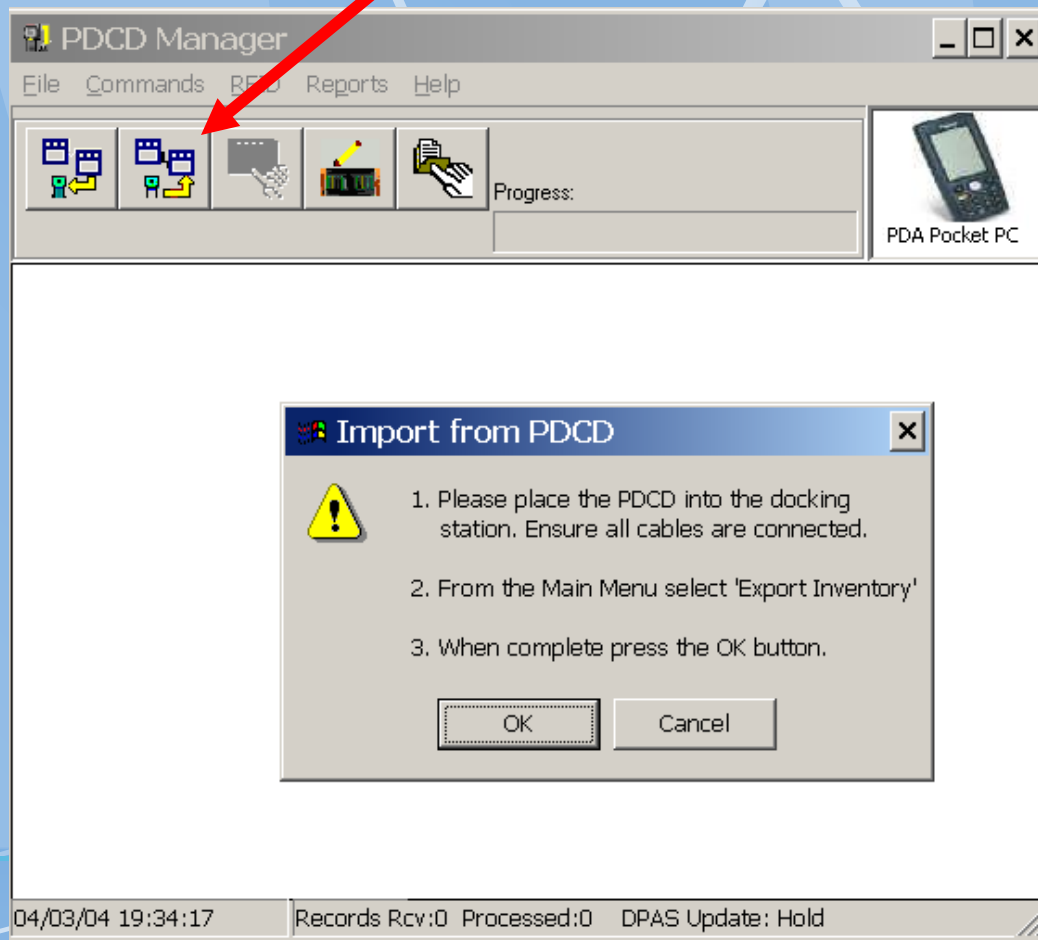


Take A Picture 11:48a ok

Barcode:

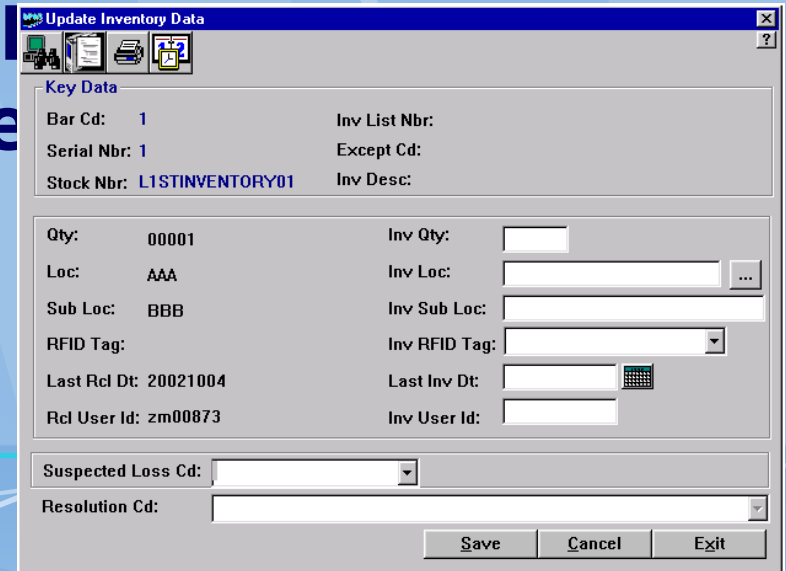
Imager Stopped

Step 4 – Import Inventory From PDCD, Required If Not Operating In Wireless Mode (RF)



Step 5 – Reconciliation

- **Review Reconciliation Report For Discrepancies**
- **Review Action Item Report For Actions**
- **Using On-Line Process, Correct Overages / Shortages**
- **Request/Print Final Inventory Report for Signature**



The screenshot shows a software window titled "Update Inventory Data". It contains several input fields for inventory management. The "Key Data" section includes fields for Bar Cd (1), Serial Nbr (1), Stock Nbr (L1STINVENTORY01), Inv List Nbr, Except Cd, and Inv Desc. Below this, there are fields for Qty (00001), Loc (AAA), Sub Loc (BBB), RFID Tag, Last Rcl Dt (20021004), Rcl User Id (zm00873), Inv Qty, Inv Loc, Inv Sub Loc, Inv RFID Tag, Last Inv Dt, and Inv User Id. At the bottom, there are fields for Suspected Loss Cd and Resolution Cd, and buttons for Save, Cancel, and Exit.

Key Data	
Bar Cd: 1	Inv List Nbr:
Serial Nbr: 1	Except Cd:
Stock Nbr: L1STINVENTORY01	Inv Desc:

Qty: 00001	Inv Qty:
Loc: AAA	Inv Loc:
Sub Loc: BBB	Inv Sub Loc:
RFID Tag:	Inv RFID Tag:
Last Rcl Dt: 20021004	Last Inv Dt:
Rcl User Id: zm00873	Inv User Id:

Suspected Loss Cd:
Resolution Cd:

Save Cancel Exit



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Questions and/or Comments